

Title (en)

Brush seal device having a floating backplate.

Title (de)

Bürstendichtung mit schwimmenden Stützplatten.

Title (fr)

Joint brosse avec bague support flottante.

Publication

EP 0632218 A1 19950104 (EN)

Application

EP 94107860 A 19940520

Priority

- US 6457893 A 19930521
- US 8348793 A 19930630

Abstract (en)

[origin: US5351971A] A brush seal device for sealing a high pressure area from a low pressure area. The brush seal device comprises an annular sideplate having a first side facing the high pressure area and a second side opposite the first side, an annular backplate having a first side facing the low pressure area and a second side opposite the first side, and a plurality of bristles between the second side of the sideplate and the second side of the backplate. The backplate is moveable in a radial direction relative to the annular sideplate and the plurality of bristles extend inwardly from an outer peripheral edge of the sideplate. The brush seal device further comprises a retaining washer between the first side of the backplate and the low pressure area, wherein the retaining washer includes a cavity proximate the first side of the backplate, the cavity having an adjustable pressure therein.

IPC 1-7

F16J 15/32

IPC 8 full level

F02C 7/28 (2006.01); **F16J 15/16** (2006.01); **F16J 15/32** (2006.01)

CPC (source: EP US)

F16J 15/3288 (2013.01 - EP US)

Citation (search report)

[A] WO 9205378 A1 19920402 - CROSS MFG CO [GB]

Cited by

CN111663963A; DE19628559A1; DE19519322A1; DE10018273A1; DE10018273B4; US7445212B2; WO2009024770A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

US 5351971 A 19941004; DE 69414920 D1 19990114; DE 69414920 T2 19990422; EP 0632218 A1 19950104; EP 0632218 B1 19981202; JP 3445354 B2 20030908; JP H07151235 A 19950613

DOCDB simple family (application)

US 8348793 A 19930630; DE 69414920 T 19940520; EP 94107860 A 19940520; JP 10671394 A 19940520